



Boston

ROSALIE RUFFINO - SPRAGUE ENERGY (V-04-0091)

ANALYTICAL REPORT NO: 440818/ P11100150

SHORE TANK # 2 (AFTER DISCHARGE T/B PENN 90)  
SPRAGUE ENERGY, PORTSMOUTH, NH  
# 6 FUEL OIL ON JANUARY 12, 2004

#6 1%

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<u>TESTS</u>	<u>METHODS</u>	<u>RESULTS</u>
GRAVITY, API @ 60 DEG F.	ASTM D 4052	13.2
FLASH POINT, F	ASTM D 93	190
SEDIMENT & WATER, VOL. %	ASTM D 1796	0.15
SEDIMENT BY EXTRACTION, WT. %	ASTM D 473	0.03
VISCOSITY, @ 122 F, SFS/CST	ASTM D 445	186.4/395.0
POUR POINT, C	ASTM D 97	-3
SULFUR, WT. %	ASTM D 4294	0.947
ASH, WT. %	ASTM D 482	0.034
GROSS BTU, LB. / GAL.	CALCULATED	18,502/150,680
NITROGEN, WT. %	ASTM D 5762	0.45
ASPHALTENES, WT. %	IP 143	4.4
CONRADSON CARBON RES. WT. %	ASTM D 189	11.9
WATER BY DISTILLATION, VOL. %	ASTM D 95	0.1
SODIUM, PPM WT.	ASTM D 5863	39
VANADIUM, PPM WT.	ASTM D 5863	34

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SGS OIL, GAS & CHEMICALS  
BOSTON - JANUARY 13, 2004

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Approved, 7/16/02 S. Mitchell

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